# Wi-Fi 5/6 Outdoor Wireless Access Point

WI-AP510| WI-AP518AX

**WI-Tek**
Communication Solution

## Overview

Wi-Tek's outdoor AP is designed for outdoor Wi-Fi coverage scenarios. Supporting 802.3at PoE IN, it makes deployment easy and flexible. The AP enclosure is designed with an IP67 rating for outdoor environments and is immune to extreme conditions, making it an idea choice for many outdoor wireless scenarios, especially in rural areas, squares. In addition, the AP also supports cloud management functions. Users can quickly complete network-wide equipment configuration, remote management, and operation and maintenance, greatly reducing equipment costs, labor costs and time costs for wireless network construction.

## Features

### Ultra-Fast Speed

The AP provides combined wireless speed of up to 1167Mbps(for WI-AP510), 3550Mbps(for WI-AP518AX), bringing smooth internet experience to the users.

### High-Performance Design (WI-AP518AX)

By introducing new technologies such as OFDMA, WI-AP518AX has greatly improved its performance such as providing stable connection and fast speed to multiple terminals.

### 2.5Gigabit Ethernet Port (WI-AP518AX)

With a 2.5G Gigabit Ethernet port, WI-AP518AX can provide faster wireless speed and allow more user accesses.

### Professional Outdoor Weatherproof Design

Equipped with durable IP67 weatherproof enclosure, the AP can normally work in various harsh outdoor environment.

### 802.3at PoE Input

Adopting 802.3at PoE Input can enable Ethernet port to carry data and power simultaneously via one cable, eliminating the need for additional power outlets and making deployment easy and flexible.

### Fast Roaming

The AP supports fast roaming which realizes the switching between APs. The terminals such as phone, tablet automatically connects to the fastest AP as users move between APs.

### Cloud Management

Wi-Tek Cloud's quick configuration provide reliable performance, visual management, and real-time monitoring, enhancing the efficiency of device management.

# Specifications



| Model | WI–AP510 | WI–AP518AX |
|---|---|---|
| Hardware Version | V1 | V1 |
| **Hardware Features** | | |
| Memory | 128MB RAM<br>16MB Flash | 128MB RAM<br>256MB Flash |
| Interface | 1*10/100/1000Mbps Base–T Ethernet Ports<br>(WAN port supports 802.3at PoE Input) | 1*10/100/1000/2500Mbps Base–T Ethernet Ports<br>(WAN port supports 802.3at PoE Input) |
| Button | 1*Reset Button | |
| Power Supply | 802.3at PoE Input | |
| Power Consumption (Max) | 15W | 22W |
| **Wireless Features** | | |
| Standards | IEEE 802.11a/b/g/n/ac | IEEE 802.11a/b/g/n/ac/ax |
| Data Rates | 2.4GHz: up to 300Mbps<br>5GHz: up to 867Mbps | 2.4GHz: up to 1148Mbps<br>5GHz: up to 2402Mbps |
| MIMO | 2.4GHz: 2 x 2<br>5GHz: 2 x 2 | 2.4GHz: 4 x 4<br>5GHz: 4 x 4 |
| Antenna | 2.4GHz: 8dBi<br>5GHz: 12dBi | 2.4GHz: 6dBi<br>5GHz: 6dBi |
| Frequency | 2.4GHz, 5GHz | |
| Channel Width | 2.4GHz: 20/40MHz<br>5GHz: 20/40/80MHz | |
| Max. TX power | 26dBm | 20dBm |
| **Software Features** | | |
| Wireless Mode | Fit AP/Repeater/Wireless Router/WISP Mode<br>(Default: Fit AP mode) | |
| Network | LAN: Static IP, Dynamic IP<br>WAN: Static IP, Dynamic IP, PPPoE Client | |
| Wireless | Wireless Disable or Enable<br>Modify SSID<br>SSID Hiding | |

| Model | WI–AP510 | WI–AP518AX |
|---|---|---|
| Wireless Security | WPA–TKIP , WPA2–AES<br>WPA1/WPA2–Mixed<br>WPA–Enterprise, WPA2–Enterprise | WPA–TKIP , WPA2–AES, WPA1/WPA2–Mixed<br>WPA–Enterprise, WPA2–Enterprise<br>WPA2/WPA3–Mixed |
| VLAN | Supports IEEE 802.1Q VLAN<br>Supports SSID–to–VLAN mapping | |
| Wi–Fi Schedule | Yes | |
| RF Parameter | Adjustable Country<br>Auto Channel Width Selection<br>Automatic Frequency Selection<br>Adjustable Transmission Power<br>Max Associated STA (default: 128)<br>Weak Signal Rejection Threshold(default: –95dBm)<br>User Isolation(default: disabled)<br>Supports Wi–Fi Multimedia (WMM) | |
| Advanced | Multiple SSID (Up to 8 per radio)<br>Ping Watchdog<br>Scheduled Reboot<br>DHCP Server<br>NTP Server<br>Diagnosis: PING, TRACERT | |
| Status Monitoring | Base Info: LAN/WAN Info, Wireless Info, System Info<br>Radio Status<br>Real Time Flow Chart<br>Wireless Terminal Station<br>SSID List<br>DHCP Client<br>ARP Table<br>Routing Table | |
| Management | Quickly scan devices by discovery tools<br>Web–based management by locally<br>Support remote management by cloud platforms and applications<br>Support AC management | |
| Environment | Operating Temperature: –40℃ ~ 55℃(–40℉ ~ 131℉)<br>Storage Temperature: –40℃ ~ 70℃(–40℉ ~ 158℉)<br>Operating Humidity: 5% ~ 95% (non–condensing)<br>Storage Humidity: 5% ~ 95% (non–condensing) | |

| Model | WI–AP510 | WI–AP518AX |
|---|---|---|
| Others | | |
| Certification | CE, FCC, RoHS, UKCA, RCM | |
| Product Dimensions (L x W x H) | 250*250*100mm | 295*231*80mm |
| Package Dimensions (L x W x H) | 400*300*140mm | 460*290*130mm |
| Product Weight | 2.7kg | 2.5kg |
| Package Weight | 4kg | 3.65kg |

## Package Contents

Welcome to order our products. After purchasing, you will receive:

| Items | Quantity |
|---|---|
| AP | 1 pcs |
| Mounting Tools | 1 unit |
| Power Adapter | 1 pcs |
| Quick Installation Guide | 1 pcs |

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